



Identification	Patent and Safe Deposit	Microorganisms
		Plant Viruses
		Plant Cell Lines
		► Human and Animal

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23132/87

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Cell line: 23132/87

Cell type: human gastric adenocarcinoma

DSMZ no.: ACC 201

Origin: established from the primary tumor of a 72-year-old man with gastrin adenocarcinoma in 1987

References: Vollmers et al., Virchows Arch B Cell Pathol Incl Mol Pathol 63: 335-; PubMed ID [8100658](#)

Depositor: Dr. H. P. Vollmers, Institute for Pathology, Würzburg, Germany

**DSMZ Cell Culture Data**

Morphology: adherent epithelial cells growing as confluent monolayers

Medium: 90% RPMI 1640 + 10% FBS

Subculture: split confluent culture 1:8 every 5-6 days using trypsin/EDTA; seed 10<sup>6</sup>/25 cm<sup>2</sup> flask; initially after thawing, cells may grow slowly and be adherentIncubation: at 37 °C with 5% CO<sub>2</sub>

Doubling time: about 50 hours

Harvest: cell harvest of about 0.3 x 10<sup>6</sup> cells/cm<sup>2</sup>Storage: frozen with 70% medium, 20% FBS, 10% DMSO at about 1-3 x 10<sup>6</sup>**DSMZ Scientific Data**

Mycoplasma: contamination was eliminated with Ciprofloxacin, then negative in microbiological culture, RNA hybridization assays

Immunology: cytokeratin +, cytokeratin-7 +, cytokeratin-8 +, cytokeratin-17 +, c-ki-ras +, desmin -, endothel -, GFAP -, neurofilament -, vimentin -; (initially published by the originators showed negativity, we found the cells to be positive for cytokeratin-7)

Fingerprint: multiplex PCR of minisatellite markers revealed a unique DNA profile

Species: confirmed as human with IEF of AST, MDH

Cytogenetics: human hypotetraploid karyotype with 12% polyploidy - 47(45-52) &lt; (1;15)(p11;p11), t(6;12) (p21;q21), i(13q), t(13;14)(p10;q10) - cells resemble published karyotype

Molec. Genetics:

Viruses: ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HTLV-I/II -

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